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J Patten... - Robotics and Automation. Proceedings. ..., 2002 - ieeexplore.ieee.org
... It ia possible that an induatrial **factory** may be able to send the engineera and technicians to the training programs. ... iii. PCB **assembly** RESULTS The software **interface** package developed provides an effective man-**machine interface** to the Unimation Puma 560 robot. ...

### [HTML] Machine Vision Applications, Architectures, and Systems Integration VI (Proceedings Volume)
GG Olson, JN Walker, DM Berg, FA Perti .. - 1997 - spie.org
... There is a large class of **assembly** and packaging processes which require verification that the correct components are present in the corrected locations. ... **Machine**-vision-based alignment: space to **factory** to garage. Author(s): Donald J. Christian; Hoshang Shroff. **Machine** ...
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[HTML] from spie.org

### A vision system for an automatic assembly machine of electronic components
BJ You, YS Oh... - Industrial Electronics, IEEE ..., 2002 - ieeexplore.ieee.org
... methods are not appropriate for a vision-based automation system in the **factory** manufacturing environment ... Nu and Nb are specified in consideration of operational requirements of the automatic **assembly machine**. ... that is, increase the value of A(ai, bj) by 1 whenever as **line** b ...
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### Programming and recovery in cells for factory automation
DJ Williams, P Rogers... - The International Journal of ..., 1986 - Springer
... 7. T. Sara, "A view of the highly automated **factory** of the future', Robotics and ... 9. AM Williams et al., 'A IJexible **assembly** cell', Proceedings 3rd International ConJerence on A ... An Overview of Production Systems', in EW Elcock and D. Michie (editors), **Machine** Intelligence, Wiley ...
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### [BOOK] Hamiltonian path problems in the on-line optimization of flexible manufacturing systems
N Ascheuer - 1995 - zib.eu
... In 1987 SNI erected a **factory** in Augsburg (Germany) where all their personal computers (PCs) and related products such as monitors, data terminals, keyboards, multi{user ... Thus, we are actually confronted with anon{**line** asymmetric Hamiltonian **path** problem. ...
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### Magnetic heads loading in disk drive assembly using rectangular robot with computer visual feedback
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... we prcscnt onc of the most chal- lenging **assembly** tasks on a disk drivc manufacturing **line** ... IIiis concurrency prcscnts ii conflirl not casily satisficcl by convcntional **machine** tool stages or industrial rohots ... of pixels in the dcstinatron image, spccifying hotli tlic x mid y (row and **column** ...
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### [BOOK] Assembly line design: methodology and applications
WM Chow - 1990 - books.google.com
... Flexible Manufacturing Systems: Benefits for the Low inventory **Factory**, John E. Lenz 28. Fundamentals of Machining and **Machine** Tools, Second Edition, Geoffrey Boothroyd and Winston A. Knight 29. ... **Assembly Line** Design: Methodology and Applications, We-Min Chow 34. ...
Cited by 45 - Related articles - Library Search - All 2 versions

### Fieldbus and cnc architecture: towards a cnc software factory
JD Decotignie - Emerging Technologies and Factory ..., 2002 - ieeexplore.ieee.org
... **assembly** is concerned, it should be possible to replace it by a new one with very few ... CONCLUSION A careful design of the architecture of CNCs opens the road to CNC software **factory**. The use of a fieldbus for input and output to the **machine**- tool together with a proper CNC ...
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### A new approach to multi agent systems control in robot-based flexible manufacturing work cells
E Freund, HJ Buxbaum - ... Robots and Systems' 93, IROS'93. ..., 2002 - ieeexplore.ieee.org
... All **machine** pro- grams are managed by the cell controller exclusively, 50 that, in conjunction with the ... A. R. Hidde, "Continuous flow of infor- mation in the area of **factory** automation by standardized interfaces ... [lo] E. Freund and H.-J. Buxbaum, "Flexible **assembly** cell simulation". ...
Cited by 3 - Related articles

### Reconfigurable manufacturing systems

Y Koren, U Heisel, F Jovane, T Moriwaki... - CIRP Annals- ..., 1999 - Elsevier
... 1977 by MITI in Japan, and culminating in 1983 in a test **factory** built in ... described by shape, inter-faces, kinematics, and stiffness), (ii) constraints regarding the **assembly** of these ... Passive main functions characterize the behavior of the **machine** and represent functions such as ...
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### Universal work cell controller-application experiences in flexible manufacturing
E Freund, HJ Buxbaum - ... Robotic Systems and the Real World ..., 2002 - ieeexplore.ieee.org
... Next to simple pick and place jobs also difficult sensor supported **assembly** tasks can be carried ... All **machine** programs are managed by LUCAS exclusively, so that, in conjunction with the gripper ... the information structure of this work cell and the integration into a **factory** network. ...
Cited by 3 - Related articles

### The TMS34010: an embedded microprocessor
KM Guttag, TM Albers, MD Asal... - Micro, IEEE, 2002 - ieeexplore.ieee.org
... However, for speed-critical portions of an application, the need for strong **assembly** language support for embedded control systems still exists. ... The device per- forms the row/**column** address multiplexing necessary to **interface** efficiently to DRAM. 42 IEEEMICRO ...
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### [CITATION] Application of a welding robot to structural steel frames
Y Otsuka - Welding International, 1988 - Taylor & Francis
All 2 versions

### Operations Assistant and its application to material storage management
BC Ekroot, RJT Morris, LD Rubin... - ... '90., Proceedings of ..., 2002 - ieeexplore.ieee.org
... The scale, economics and nature of the particular **factory** will dictate the final **choice** of system architecture. ... However, in the **assembly line** version of OA described in [I], we developed a Process View which displayed statistics showing the WIP, the **machine** utilization and the ...
Related articles - All 3 versions

### [PDF] Application of Lean Manufacturing Techniques for the Design of the Aircraft **Assembly Line**
VE Gastelum - 2002 - dspace.mit.edu
... design reliable processes and **machinery** to prevent defects from occurring in the first place, and separate human work from **machine** work so that ... also proposes that Lean is based in three key principles: TAKT Paced Production: it describes the rate of **assembly** in a **factory**. ...
Cited by 3 - Related articles - Library Search - All 8 versions

### AutoSched tutorial
B Lindler - Proceedings of the 29th conference on Winter ..., 1997 - portal.acm.org
... Stations can be machines, work benches, **assembly** positions, or any location where work is performed on a ... Demand (**factory** orders, preventative maintenance, work orders) ... transporter vehicle velocity, number of loads on a conveyor section, or average utilization of a **machine**. ...
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### ReDS--A dynamic planning, scheduling, and control system for manufacturing
K Hadavi, MS Shahraray... - Journal of Manufacturing Systems, 1990 - Elsevier
... to mold itself so the specific problems, such as potential longterm **machine** breakdowns, are ... ReDS were built for a PCB **assembly line** and a plastic connectors **assembly line**. ... PROBLEM INGPFS DATA INSTRUCTIONS VAX 1 1111 CO [ METS ISTRUCTIONS **FACTORY** Figure 9 ...
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### [PDF] Effective Modeling of Throughput Time in Semiconductor **Assembly** Processes
JA Cervantes - 1998 - dspace.mit.edu
... The die are then grouped into boats which are in- turn grouped into **assembly** lots. ... 1.3.3 Related Terminology, Nomenclature, and Conventions 1.3.3.1 **Factory** Characterization, **Machine** States, and Flow Logistics ... Figure 1-4 (page 29) illustrates a k- **machine** transfer **line**. ...
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### Fundamentals of **machine** vision
HR Myler - 1999 - books.google.com
... allowing the **machine** to see only what it needs to see (as in **factory** automation ... contrast processing that takes place in the HVS may be used in **machine** vision processing ... the acquisition or display mechanism must have enough resolution to accommodate the smallest **line** in the ...
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### A study on production **line** automation with LonWorks (TM) control networks
N Mahalik, SK Lee - Computer Standards & Interfaces, 2002 - Elsevier
... robotics, production **line**, packaging plant, mobile robotics such as AGV, **assembly** automation, supervisory ... J. Korbicz and J. Kus , Diagnosis of sugar **factory** processes using GMDH ... in reputed companies such as Samsung Heavy Industries and Toyada **Machine** Works before ...
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### A connectionist model for material handling
H Van Dyke Parunak, J Kindrick... - Robotics and Computer- ..., 1988 - Elsevier
... Technology Institute) consists of a machining center, a turning center, a stock room for entering and withdrawing material from the system, an **assembly** robot, an ... This assertion seems plausible if we consider the similarity between a **factory** and a Turing **machine**: 0 The stream ...

## WASA: a decision support system for workstations arrangement in single-vehicle closed-loop AGV systems

J Lee, MK Lee... - Computers & Industrial Engineering, 1996 - Elsevier
... perform automated material handling functions in both the warehouse and the **factory** floor ... of workstation arrangement and **line** balance are restricted to an **assembly line** environment ... parts have similar machining requirements) are identified and the associated **machine** cells are ...

## [BOOK] Wafer fabrication: **Factory** performance and analysis

LP Atherton... - 1995 - books.google.com
... The specialized **machinery** is wafer-processing equipment for performing each of the specialized physico-chemical processes ... go from a finished wafer to a packaged electronic component requires three more factories (or **factory** operations): wafer sort, **assembly**, and final ...

## [CITATION] Ergonomics aspects of the automated **factory**

MA Sinclair - Ergonomics, 1986 - Taylor & Francis

## A generic classification and object-oriented simulation toolkit for SMT **assembly** equipment

TM Tirpak, PK Mohapatra, PC Nelson... - Systems, Man and ..., 2002 - ieeexplore.ieee.org
... for programming the GSM2 **machine** [30]. Table V shows the command-**line** syntax for ... it is possible to rapidly develop simulation and optimization software for an SMT **assembly machine**. ... the complex decision problems and the potential cost savings in the **factory**, optimiza- tion ...

## [BOOK] Precision **machine** design

AH Slocum - 1992 - books.google.com
... the life within me They drive my problems from me They help me to stay on the right **path** This book is ... Contents Preface vii Corporate Acknowledgments ix Institutional Acknowledgments xi Personal Acknowledgments xiii Chapter 1 Introduction to Precision **Machine** Design I 1.1 ...

## [DOC] Model Manager: A Visually Programmed, Model Themed Data-Flow Programming Language for Robot Control

WJ Schoniau - Society of Photo-Optical Instrumentation Engineers ( ..., 2001 - reocities.com
... for either simulation or operation of the arm configuration in the **factory** or laboratory. ... Generally, the GET and PUT primitives are intended for **assembly** or packaging tasks ... **Line** Models Using Local Search?", IEEE Transactions on Pattern Analysis and **Machine** Intelligence (PAMI ...

## Swarm robot materials handling paradigm for a manufacturing workcell

KL Doty... - Robotics and Automation, 1993. ..., 2002 - ieeexplore.ieee.org
... Machines would typically be CNC lathes, mills, **assembly** robots, etc. ... m 8 8 A - Workcell B 8 8 8 ID / outpu' 8 port Fig. 2. A **factory** floor viewed as a workcell composed of workcells. ... Table 1 Simulation of Workcell Processing **Machine**, Robot Parts In Parts Out I 5, 20 57 41 I ...

## An Overview of Off-**Line** Robot Programming Systems

R Hocken... - CIRP Annals-Manufacturing Technology, 1986 - Elsevier
... Corner, DF, Ambler, AP, and Popplestone, RJ, "Offline Programming of **Assembly** Robots", University ... Albus, JS, "Hierachical Control for Robots in an Automated **Factory**", 13th ISIR, 1983 ... K., "The Building Blocks of Off-**line** Robot Programming", Modern **Machine** Shop, November ...

## [CITATION] Roadmap to the e-**Factory**

AN Beavers - 2001 - Auerbach Publications

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